

Patent Abstracts of Japan

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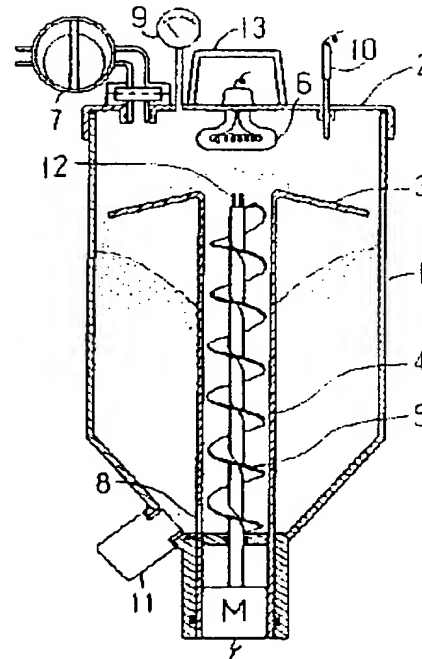
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INVENTOR : KANAO MITSUHIRO;

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TITLE : VACUUM DRYING DEVICE



ABSTRACT : PURPOSE: To perform hot dehumidification and cold dehumidification under the vacuumized condition, or little oxidized condition, by sucking dispersed humidity immediately by a vacuum pump device with filter installed on a hopper cover and exhausting the same to the outside.

CONSTITUTION: Pellets transferred by a rotating screw 5 and risen up are diffused on an upper pan 3. Heat is applied to said diffusing pellets by a heat source 6 right above the upper pan 3 installed on a hopper cover 2 to disperse humidity, and also the dispersed humidity is sucked by a vacuum pump device 7 installed on the hopper cover 2 and exhausted to the outside. Successively the pellets being dehumidified on the upper pan 3 are dropped into a hopper 1 starting from the outer periphery of the upper pan 3 and circulated again from a screw 5 onto the upper pan 3 to carry out dehumidification of pellets.

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